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14	DEFODE THE ADIZONA CODE	OOD ATION COMMISSION				
15	BEFORE THE ARIZONA CORP	ORATION COMMISSION				
16	ROBERT "BOB" BURNS, Chairman BOYD DUNN					
17	SANDRA D. KENNEDY					
18	JUSTIN OLSON					
19	LEA MÁRQUEZ PETERSON					
ersts-c	IN THE MATTER OF THE APPLICATION	Docket No. E-01345A-19-0236				
20	OF ARIZONA PUBLIC SERVICE COMPANY FOR A HEARING TO DETERMINE THE					
21	FAIR VALUE OF THE UTILITY PROPERTY	NOTICE OF FILING				
22	OF THE COMPANY FOR RATEMAKING	SURREBUTTAL TESTIMONY OF RONNY SANDOVAL ON BEHALF				
23	PURPOSES, TO FIX A JUST AND REASONABLE RATE OF RETURN	OF VOTE SOLAR				
24	THEREON, TO APPROVE RATE					
	SCHEDULES DESIGNED TO DEVELOP					
25	SUCH RETURN.					
26						

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Vote Solar hereby provides notice that it has this day filed the attached Surrebuttal 1 2 Testimony of Ronny Sandoval. RESPECTFULLY SUBMITTED this 4th day of December, 2020. 3 4 ARIZONA CENTER FOR LAW IN THE PUBLIC INTEREST 5 6 7 Timothy M. Hogan Jennifer B. Anderson 8 352 E. Camelback Road, Suite 200 Phoenix, AZ 85012 9 Attorneys for San Juan Citizens Alliance, Tó Nizhoní Ání, and Diné CARE 10 11 ORIGINAL of the foregoing electronically 12 filed and 8 copies delivered this 4th day of December, 2020 with: 13 Docket Control 14 Arizona Corporation Commission 1200 W. Washington St. 15 Phoenix, AZ 85007 16 COPIES of the foregoing mailed/emailed this 4th day of December, 2020 to the 17 persons identified on the attached service list, consisting of three pages. 18 19 20 21 22 23 24

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BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE APPLICATION)
OF ARIZONA PUBLIC SERVICE COMPANY)
FOR A HEARING TO DETERMINE THE)
FAIR VALUE OF THE UTILITY PROPERTY)
OF THE COMPANY FOR RATEMAKING) Docket No. E-01345A-19-0236
PURPOSES, TO FIX A JUST AND)
REASONABLE RATE OF RETURN THEREON,)
AND TO APPROVE RATE SCHEDULES)
DESIGNED TO DEVELOP SUCH RETURN)

SURREBUTTAL TESTIMONY OF RONNY SANDOVAL

ON BEHALF OF VOTE SOLAR

1	I.	INTRODUCTION AND WITNESS QUALIFICATIONS
2	Q.	ARE YOU THE SAME RONNY SANDOVAL WHO PREVIOUSLY FILED
3		TESTIMONY IN THIS PROCEEDING?
4	A.	Yes.
5	Q.	ARE YOU SPONSORING ANY EXHIBITS IN YOUR TESTIMONY?
6	A.	No.
7	II.	PURPOSE OF TESTIMONY
8	Q.	WHAT IS THE PURPOSE OF YOUR SURREBUTTAL TESTIMONY?
9	A.	The purpose of my surrebuttal testimony is to respond to feedback received related to my
10		previous recommendations on the Company's approach to valuing and compensating
11		customer energy exports, the Company's performance metric and formula rate concepts,
12		and the Company's proposed rates for utility service to customers with distributed energy
13		resources. I will also respond to changes in the Company's proposal, including the new
14		adjustment mechanism.
15 16	III.	METHODOLOGIES FOR VALUING AND COMPENSATING ROOFTOP SOLAR EXPORTS
17	Q.	HOW DID THE COMPANY RESPOND TO YOUR RECOMMENDATIONS ON
18		REFINEMENTS TO THE AVOIDED COST METHODOLOGY?
19	A.	In my Direct Testimony, I recommended the Company include the entire list of value
20		streams recognized in the Commission's guidance that is applicable to exported energy
21		from rooftop solar in its Avoided Cost Methodology, explore new potential benefit
22		streams, and that it continues to explore methods of refining the data sets and calculations
23		that may provide more accurate and actionable signals.

1 The Company objected to including value categories in Avoided Cost Methodology it deemed "speculative" or that it believes should be omitted. ¹ It also 2 3 objected to my recommendations for performing studies to quantify the expected loss 4 reduction impact of distributed energy resources (DERs). 5 Q. HOW DO YOU RESPOND TO THE COMPANY'S POSITION ON YOUR AVOIDED COST METHODOLOGY RECOMMENDATIONS? 6 7 A. While I disagree with the Company on substance of these issues, I ultimately agree with 8 its procedural recommendation (and the recommendation of Staff) that the Avoided Cost 9 Methodology not be addressed as part of this rate case. As Staff notes, a "docket already 10 exists that allows for the requisite input from a broad range of stakeholders" to "address 11 the far-reaching impacts for ratepayers across Arizona" associated with the Avoided Cost 12 Methodology. ² I agree with Staff and APS that issues around the methodology and the 13 associated potential impacts on customers would more appropriately be addressed in their 14 own dedicated docket. The Company should continue to compensate exports from 15 rooftop solar customers through the use of the Resource Comparison Proxy (RCP). The 16 Commission should accept Staff's recommendation and expressly identify in its Decision 17 which docket will address the Avoided Cost Methodology issues. 18 IV. FORMULA RATE CONCEPT, PERFORMANCE METRICS, AND ADJUSTORS 19 PLEASE SUMMARIZE THE COMPANY'S FORMULA RATE CONCEPT. Q. 20 A. The Company presented a Formula Rate concept that provided "incremental annual 21 adjustments to rates, based on agreed upon, Commission-approved inputs to a formula

¹ APS witness Albert at pg. 32, line 5.

² Staff witness Metzger at pg. 7, line 23.

1		that is established during a rate case". The Company also offered that "performance
2		metrics related to reliability and customer satisfaction incorporated into the formula rate
3		concept."3 accompanied by a "compliance filing process in parallel with the formula rate
4		update, with differing levels of compliance information for different levels of
5		performance".
6	Q.	HAS THE COMPANY UPDATED THE FORMULA RATE CONCEPT IT
7		PRESENTED?
8	A.	Yes. The Company states that due to a lack of support from parties on its proposal for
9		the Formula Rate concept and other considerations, it would no longer be "pursuing this
10		proposal as part of its rebuttal case". However, the Company believes that "there exists
11		an opportunity to continue to align interests from a number of parties, while providing
12		timely cost recovery for APS in its efforts to support a clean energy future for Arizona".
13	Q.	HAS THE COMPANY IDENTIFIED ALTERNATIVE METHODS FOR
14		ALIGNING PARTY INTERESTS "WHILE PROVIDING TIMELY COST
15		RECOVERY"?
16	A.	Yes. In its rebuttal, the Company introduced a "new adjustor" to "provide for timely
17		cost-recovery of the capital carrying cost and expense of APS's approved and prudent
18		clean plan investment." The Company also presented alternatives to this adjustor "using
19		existing mechanisms" ⁵ for the Commission's consideration.

Rebuttal Testimony of Company Witness Snook at pg. 23, line 12.
 Rebuttal Testimony of Company Witness Snook at pg. 15, line 9.
 Rebuttal Testimony of Company Witness Snook at pg. 16, line 14.

1 Q. HOW WOULD THE CLEAN ENERGY INVESTMENTS ELIGIBLE FOR THIS 2 ADJUSTOR BE DETERMINED? 3 A. The Company indicates that clean energy investments would be "authorized by the 4 Integrated Resource Plan or Clean Energy Implementation Plan approval by the ACC and 5 subject to a robust request for proposal (RFP) process." Only "approved and prudent 6 acquisitions" resulting from this process, and "not already recovered in base rates or 7 through another Commission-approved cost adjustment" would be included in the 8 adjustor for cost recovery. 9 Q. DO YOU SUPPORT THE COMPANY'S PROPOSED NEW ADJUSTOR 10 **MECHANISM?** 11 A. Yes. Investments that undergo the robust planning and acquisition process described by 12 the Company and obtain ACC approval should receive timely cost-recovery to ensure the 13 pace and scale required to meet the approved energy commitments are met. 14 Q. HAS THE COMPANY IDENTIFIED ADDITIONAL POTENTIAL 15 MECHANISMS TO INCENTIVIZE PERFORMANCE? 16 Yes. The Company indicates that it "supports a dialogue with the Commission, A. 17 stakeholders and other interested parties on the effectiveness and appropriateness of" 18 Performance-based Ratemaking "for jurisdictional utilities in Arizona.⁶ The Company and the Commission noted the existing docket that was opened to investigate the role of 19

⁶ Rebuttal Testimony of Company Witness Lockwood at pg. 25, line 9.

⁷ Correspondence from Commissioner Lea Márquez Peterson; November 11, 2020; Docket No. E-01345A-19-0236

⁸ Docket No. E-00000A-20-0019

1 performance incentive mechanisms for regulated investor-owned electric utility rate cases 2 in Arizona. 3 Q. WHAT DO YOU RECOMMEND WITH RESPECT TO THE INVESTIGATION 4 INTO PERFORMANCE INCENTIVE MECHANISMS? 5 A. I agree that a thorough investigation into performance incentive mechanisms in general should involve significant stakeholder input and discussion as would be provided through 6 7 the dedicated docket just described. I would reiterate the recommendations from my 8 Direct Testimony to start early and allow for time spent on the front-end designing and 9 collecting data on performance metrics to ensure they can be used to effectively measure 10 progress on the desired objectives. 11 V. **ENERGY EFFICIENCY PROPOSAL** 12 THE COMPANY WELCOMED FEEDBACK FROM PARTIES ON A Q. 13 PROPOSAL FROM SWEEP/WRA FOR CAPITALIZING DEMAND-SIDE 14 MANAGEMENT EXPENSES. WHAT DOES THIS PROPOSAL ENTAIL? The Company summarized SWEEP/WRA's proposal⁹ as one that would allow the 15 A. 16 Company to earn a rate of return on EE investment "by creating a regulatory asset for the 17 annual expenditure and amortizing that over a 7-year period, with a return at the after-tax cost of capital on the unamortized balance of this asset" 10. Additional details on the 18 19 potential benefits of this proposal, application of practice across other states, and other 20 considerations are included in the Direct Testimony of SWEEP/WRA in this case.

⁹ Direct Testimony of SWEEP/WRA Witness Baatz at pg. 44, line 8.

¹⁰ Rebuttal Testimony of Company Witness Snook at pg. 17, line 6.

Q. WHAT ARE YOUR OBSERVATIONS ON THE DESCRIBED PROPOSAL?

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2 A. The SWEEP/WRA's proposal offers significant potential benefits including advancing investments in energy efficiency for the benefit of all customers, while managing rate 3 4 impacts and providing utilities additional incentives for pursuing these solutions. These 5 are attractive program traits, especially in the current economic environment with 6 customers potentially struggling with debt management and staying current with their 7 bills. Expanding energy efficiency across homes and businesses struggling due to the 8 current economic conditions could make future energy costs easier for program 9 participants to manage. This proposal could also assist the Company in achieving the Commission's vision¹¹ for reducing electricity rates across Arizona and increasing the 10 11 economic competitiveness of the State. This proposal could align well with the 12 Company's recommendation to expand the eligibility criteria of its E-3 discount program¹² to provide customers experiencing financial burden some potential relief, as 13 14 originally proposed by Wildfire in its Testimony - and which I support. 15 WHAT DO YOU RECOMMEND WITH REGARDS TO THIS PROPOSAL? O.

16 A. Like the other novel proposals, the approach to capitalizing demand-side management
17 investments could benefit from stakeholder engagement within a dedicated regulatory
18 docket. Though dockets around demand side management program administration would
19 be a natural forum for consideration, this proposal could also have significant
20 implications on the kind of solutions that are procured in utility planning processes. The

¹¹ Correspondence from Commissioner Lea Márquez Peterson; November 11, 2020; Docket No. E-01345A-19-0236

¹² Rebuttal Testimony of Company Witnesss Hobbick at pg. 40, line 16

1 system-wide implications of this proposal should be considered to maximize potential 2 benefits and introduce the required safeguards. 3 VI. GRID ACCESS CHARGE AND RATE DESIGN 4 WHAT IS THE COMPANY'S PURPORTED BASIS FOR THE GRID ACCESS Q. 5 CHARGE IMPOSED ON CUSTOMERS WITH DISTRIBUTED GENERATION 6 IN ITS REBUTTAL? 7 A. The Company states that the Grid Access Charge "is necessary and appropriate to reduce 8 some of the \$1 billion cost shift from residential customers to other customers." The 9 Company also states "the introduction of more than 100,000 residential solar systems 10 causes the need for additional distribution level monitoring and voltage control, some of which is intended to be recovered through this charge." ¹³ Neither basis is supported by 11 12 the evidence. 13 The Company's argument that the Grid Access Charge is justified by a purported 14 \$1 billion "cost shift" assumes (1) the Company's Cost of Service results which contain a 15 number of questionable assumptions and methodologies specific to solar customers that 16 overstate costs and understate revenues as pointed out by SEIA witness Lucas, and (2) 17 that all solar customers and no non-solar customers produce a so-called "cost shift," 18 which can then justify a grid charge applied to all solar customers but no other customers. 19 As I understand APS's argument, it claims a "cost shift" occurs any time a 20 customer produces less revenue than his or her cost of service. However, no customer 21 produces revenue exactly equal to his or her cost of service. There is no evidence that the

¹³ Rebuttal Testimony of Company Witnesss Hobbick at pg. 38, line 8

difference between a solar customer's revenues and costs are outside the diverse range of residential customers as a whole. Yet, the Grid Access Charge is not imposed on the non-solar residential customers who produce lower revenues proportionate to their costs, and thereby also produce a "cost shift" under APS's theory. Moreover, not all solar customers or solar customer sub-groups have the same ratio of costs and revenues, yet all would be subject to the same grid access charge. Comparing solar customers' costs and revenues to the wide range of costs and revenues of non-solar residential customers, there is no basis for imposing additional grid charges on all solar customers and no non-solar customers. That is especially true after correcting the cost of service assumptions and methodology errors the Company makes that overstate costs and understate revenues.

APS's additional argument that there may be some "need for additional distribution level monitoring and voltage control" is not supported by any actual evidence, much less quantification, of any such costs. It is not clear that the additional monitoring and voltage control APS alludes to is needed, nor that any additional monitoring and control that may be needed is due solely to serve the needs of residential solar customers. In addition, there is no evidence that only solar customers benefit from any monitoring and control upgrades. If benefits extend to non-solar customers, it would follow that these customers also contribute to the costs. In short, there is no proof of additional costs of monitoring and control incurred solely for solar customers, that monitoring and control upgrades will benefit only solar customers, and that the cost of such controls equal to the revenue from the Grid Access Charge. Thus, there is no basis that the Grid Access Charge.

1 Q. HAS THE COMPANY PROPOSED CHANGES TO ITS RESIDENTIAL RATE 2 OFFERINGS IN ITS REBUTTAL? 3 A. Yes. After receiving stakeholder feedback, the Company has indicated it would 4 consolidate its six residential rate offerings to three options to include: "one flat rate, one 5 time-of-use rate, and one demand rate". However, residential solar customers would not be eligible to sign-on to the flat rate option. ¹⁴ Additionally, solar customers would 6 7 continue to pay the Grid Access Charge while non solar customers would not. 8 Q. HOW DO YOU RESPOND TO THE COMPANY'S PROPOSAL FOR ITS 9 REVISED RESIDENTIAL RATE OFFERINGS? 10 A. The Company correctly seeks to streamline its rate offerings to simplify customer options 11 and facilitate better understanding of tradeoffs between rates. However, I believe the 12 Company should also extend the flat rate option (without additional grid charge) to 13 residential customers with solar as it is for "non-solar residential customers, regardless of usage".15 14 VII. 15 **OTHER ISSUES** 16 Q. ARE THERE ANY CORRECTIONS YOU WOULD MAKE TO THE 17 COMPANY'S REBUTTAL TESTIMONY? Yes. The Rebuttal Testimony of Company Witness Albert asserts 16 that I criticized the 18 A. 19 operational capability and reliability of the Four Corners plant. However, my Direct 20 Testimony does not include a discussion of the Four Corners plant, its reliability, or 21 operational capability.

¹⁴ Rebuttal Testimony of Company Witnesss Hobbick at pg. 1, line 24

¹⁵ Rebuttal Testimony of Company Witnesss Hobbick at pg. 1, line 27

¹⁶ Rebuttal Testimony of Company Witness Albert at pg. 19, line 8.

VIII. CONCLUSION

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2 Q. PLEASE SUMMARIZE YOUR RECOMMENDATIONS.

- The Commission should direct the Company to address the avoided cost methodology in
 an existing docket separate from this rate case, as recommended by Staff and supported
 by the Company.
- The Commission should approve the new adjustor mechanism proposed by the Company to allow for the timely cost recovery of investments required to meet the energy commitments described in the Company's rebuttal testimony and summarized in my surrebuttal.
 - The Company should work with stakeholders across the appropriate planning and program dockets to investigate the proposal to capitalize costs associated with demandside management expenses.
- The Company should engage stakeholders, including through the open docket identified in this surrebuttal, on the development of appropriate performance metrics and safeguards required to ensure desired energy outcomes are achieved in a timely manner.
- Customers with solar should have access to the same rates, without any additional grid charge, that are available to other residential customers.
- The Company should correct its erroneous attribution of positions regarding the Four
 Corners plant to me.
- 20 Q. Does this conclude your direct testimony?
- 21 A. Yes.